SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		**MIL00-21B**	
ORIGINATOR	**SPONSOR**	**DATE RECEIVED**	**DATE OF ACTION**
PM FATDS	**ARMY**	**1 September 2000**	**August 23, 2001**
CHANGE PROPOSAL TITLE			
ADD NEW SYMBOL, **FIRE SUPPORT AREA, RECTANGULAR**			
SUGGESTED CHANGE			

The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.
1. The purpose of the rectangular Fire Support Area symbol is to graphically display rectangular Fire Support Areas to commanders in the Common Operational Picture (COP)/Common Tactical Picture (CTP).
2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the "Areas", "Command and Control Areas" hierarchy, 2.X.4.3.2, figure B-17, and table B-IV.

OVERVIEW

Currently, the standard does not contain a symbol depicting rectangular Fire Support Areas. The rectangular Fire Support Area symbol is used to graphically display an appropriate maneuver area assigned to fire support ships by the naval force commander from which they can deliver gunfire support to an amphibious operation or ground force. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted/received by all battlefield system. Fire Support Areas are a required symbol for use in the COP/CTP to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer rectangular Fire Support Areas for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.

OPERATIONAL DESCRIPTION

In general, the rectangular Fire Support Area is used graphically depict a maneuver area assigned to fire support ships by the naval force commander from which they can deliver gunfire support to an amphibious operation or ground forces. Two (2) point locations and a width are required to graphically display a rectangular Fire Support Area. The minimum information required to interoperate with another system is defined below.

IMPLEMENTATION

Description: **Fire Support, Area, Command and Control Areas, Fire Support Area, Rectangular**

Parameters:
1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle.

2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle. Shape: Rectangle. The information fields should be moveable and scaleable.

3.Orientation. As determined by the anchor points.

Fixed/Dynamic: Dynamic

Hierarchy: 2.X.4.3.2.1.2

Symbol ID: G*F*ACSR--****X

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ADD NEW SYMBOL, **FIRE SUPPORT AREA, RECTANGULAR**			

Tactical Graphic: Example:

JIEO ANALYSIS
OVERVIEW: **POTENTIAL CONFLICTS WITH EXISTING SYMBOLOGY:** **CONFORMANCE TO SYMBOL GUIDELINES:** **ADEQUACY AND IMPACT ON OTHER PROGRAMS:**
C/S/A COMMENTS
DECISION NOTICE
SSMC 3-01: Approved as amended. MIL00-21A amended by adding text to point out that width will be defined in meters. See parameters and graphic example above and the example of Table B-IV in attachment A.

Attachment A to MIL00-21B, Add New Symbol, Fire Support Area, Rectangular

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.
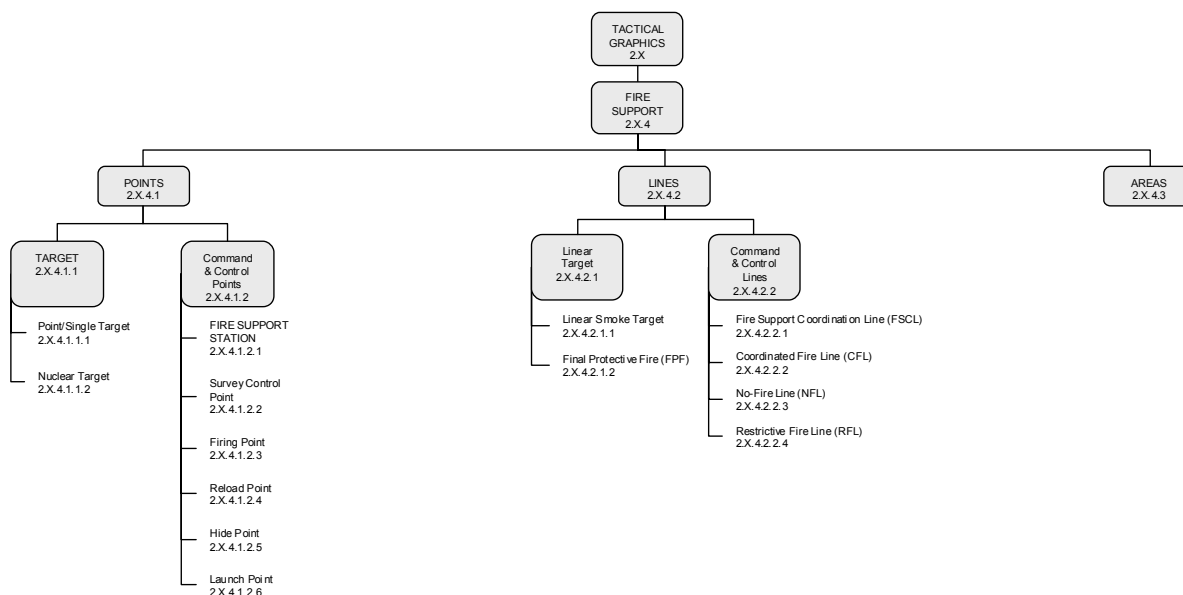
TACTICAL GRAPHICS 2.X

FIRE SUPPORT 2.X.4

POINTS 2.X.4.1

LINES 2.X.4.2

AREAS 2.X.4.3

TARGET 2.X.4.1.1
- Point/Single Target 2.X.4.1.1.1
- Nuclear Target 2.X.4.1.1.2

Command & Control Points 2.X.4.1.2
- FIRE SUPPORT STATION 2.X.4.1.2.1
- Survey Control Point 2.X.4.1.2.2
- Firing Point 2.X.4.1.2.3
- Reload Point 2.X.4.1.2.4
- Hide Point 2.X.4.1.2.5
- Launch Point 2.X.4.1.2.6

Linear Target 2.X.4.2.1
- Linear Smoke Target 2.X.4.2.1.1
- Final Protective Fire (FPF) 2.X.4.2.1.2

Command & Control Lines 2.X.4.2.2
- Fire Support Coordination Line (FSCL) 2.X.4.2.2.1
- Coordinated Fire Line (CFL) 2.X.4.2.2.2
- No-Fire Line (NFL) 2.X.4.2.2.3
- Restrictive Fire Line (RFL) 2.X.4.2.2.4

Figure B-17.1. Fire Support.

TACTICAL GRAPHICS 2.X

FIRE SUPPORT 2.X.4

POINTS 2.X.4.1

LINES 2.X.4.2

AREAS 2.X.4.3

Area Target 2.X.4.3.1
- Circular Target 2.X.4.3.1.1
- Rectangular Target 2.X.4.3.1.2
- Series or Group of Targets 2.X.4.3.1.3
- Smoke 2.X.4.3.1.4
- Bomb Area 2.X.4.3.1.5

Command & Control Areas 2.X.4.3.2

Target Acquisition Zones 2.X.4.3.3

Weapon/Radar Range Fans 2.X.4.3.4
- Range Fans, Circular 2.X.4.3.4.1
- Range Fans, Sector 2.X.4.3.4.2

Fire Support Area (FSA) 2.X.4.3.2.1
- FSA, Irregular 2.X.4.3.2.1.1
- FSA, Rectangular 2.X.4.3.2.1.2

Airspace Coordination Area (ACA) 2.X.4.3.2.2
- ACA, Irregular 2.X.4.3.2.2.1
- ACA, Rectangular 2.X.4.3.2.2.2

Free Fire Area (FFA) 2.X.4.3.2.3
- FFA, Irregular 2.X.4.3.2.3.1
- FFA, Rectangular 2.X.4.3.2.3.2

No-Fire Area (NFA) 2.X.4.3.2.4
- NFA, Irregular 2.X.4.3.2.4.1
- NFA, Rectangular 2.X.4.3.2.4.2

Restrictive Fire Area (RFA) 2.X.4.3.2.5
- RFA, Irregular 2.X.4.3.2.5.1
- RFA, Rectangular 2.X.4.3.2.5.2

Position Area For Artillery (PAA) 2.X.4.3.2.6
- PAA, Irregular 2.X.4.3.2.6.1

Artillery Target Intelligence (ATI) Zone 2.X.4.3.3.1
- ATI Zone, Irregular 2.X.4.3.3.1.1
- ATI Zone, Rectangular 2.X.4.3.3.1.2

Call For Fire Zone (CFFZ) 2.X.4.3.3.2
- CFFZ, Irregular 2.X.4.3.3.2.1
- CFFZ, Rectangular 2.X.4.3.3.2.2

Sensor Zone 2.X.4.3.3.3
- Sensor Zone, Irregular 2.X.4.3.3.3.1
- Sensor Zone, Rectangular 2.X.4.3.3.3.2

Censor Zone 2.X.4.3.3.4
- Censor Zone, Irregular 2.X.4.3.3.4.1
- Censor Zone, Rectangular 2.X.4.3.3.4.2

Dead Space Area (DA) 2.X.4.3.3.5
- DA, Irregular 2.X.4.3.3.5.1
- DA, Rectangular 2.X.4.3.3.5.2

Critical Friendly Zone (CFZ) 2.X.4.3.3.6
- CFZ, Irregular 2.X.4.3.3.6.1
- CFZ, Rectangular 2.X.4.3.3.6.2

Zone of Responsibility (ZOR) 2.X.4.3.3.7
- ZOR, Irregular 2.X.4.3.3.7.1
- ZOR, Rectangular 2.X.4.3.3.7.2

Target Build-Up Area (TBA) 2.X.4.3.3.8
- TBA, Irregular 2.X.4.3.3.8.1
- TBA, Rectangular 2.X.4.3.3.8.2

Target Value Area (TVAR) 2.X.4.3.3.9
- TVAR, Irregular 2.X.4.3.3.9.1
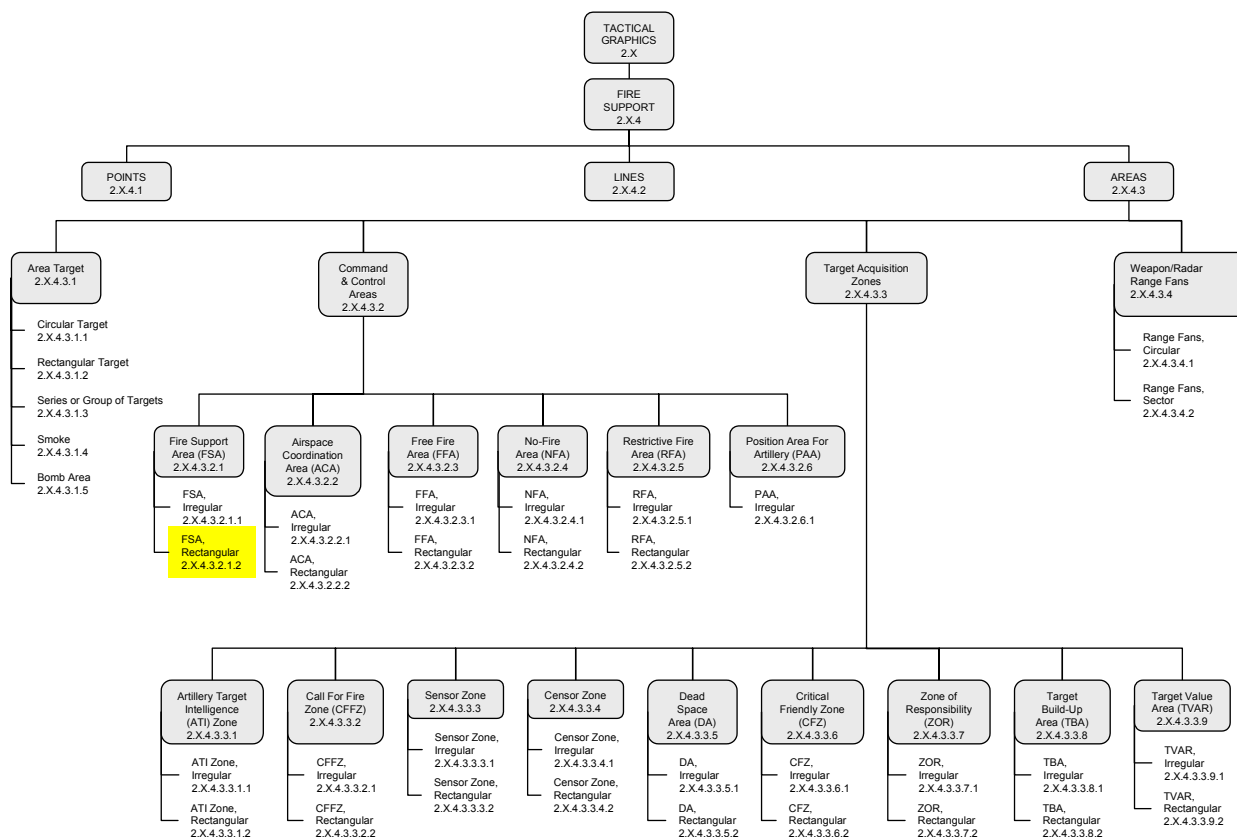- TVAR, Rectangular 2.X.4.3.3.9.2

Figure B-17.2. Fire support.

Attachment A to MIL00-21B, Add New Symbol, Fire Support Area, Rectangular

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.
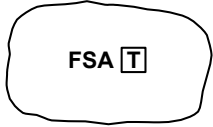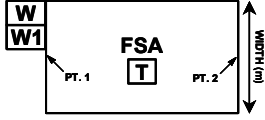
HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS	FUNCTION ID			SIZE/MOBILITY	COUNTRY CODE	ORDER OF BATTLE	DESCRIPTION
2.X.4	G	*	F	*	--	--	--	**	**	X	FIRE SUPPORT
2.X.4.1	G	*	F	*	P-	--	--	**	**	X	POINT
2.X.4.1.1	G	*	F	*	PT	--	--	**	**	X	TARGET
2.X.4.1.1.1	G	*	F	*	PT	S-	--	**	**	X	POINT/SINGLE TARGET
2.X.4.1.1.2	G	*	F	*	PT	N-	--	**	**	X	NUCLEAR TARGET
2.X.4.1.2	G	*	F	*	PC	--	--	**	**	X	COMMAND AND CONTROL
2.X.4.1.2.1	G	*	F	*	PC	F-	--	**	**	X	FIRE SUPPORT STATION
2.X.4.1.2.2	G	*	F	*	PC	S-	--	**	**	X	SURVEY CONTROL POINT (SCP)
2.X.4.1.2.3	G	*	F	*	PC	B-	--	**	**	X	FIRING POINT
2.X.4.1.2.4	G	*	F	*	PC	R-	--	**	**	X	RELOAD POINT
2.X.4.1.2.5	G	*	F	*	PC	H-	--	**	**	X	HIDE POINT
2.X.4.1.2.6	G	*	F	*	PC	L-	--	**	**	X	LAUNCH POINT
2.X.4.2	G	*	F	*	L-	--	--	**	**	X	LINES
2.X.4.2.1	G	*	F	*	LT	--	--	**	**	X	LINEAR TARGET
2.X.4.2.1.1	G	*	F	*	LT	S-	--	**	**	X	LINEAR SMOKE TARGET
2.X.4.2.1.2	G	*	F	*	LT	F-	--	**	**	X	FINAL PROTECTIVE FIRE (FPF)
2.X.4.2.2	G	*	F	*	LC	--	--	**	**	X	COMMANDAND CONTROL
2.X.4.2.2.1	G	*	F	*	LC	F-	--	**	**	X	FIRE SUPPORT COORDINATION LINE (FSCL)
2.X.4.2.2.2	G	*	F	*	LC	C-	--	**	**	X	COORDINATED FIRE LINE (CFL)
2.X.4.2.2.3	G	*	F	*	LC	N-	--	**	**	X	NO-FIRE LINE (NFL)
2.X.4.2.2.4	G	*	F	*	LC	R-	--	**	**	X	RESTRICTIVE FIRE LINE (RFL)
2.X.4.3	G	*	F	*	A-	--	--	**	**	X	AREAS
2.X.4.3.1	G	*	F	*	AT	--	--	**	**	X	AREA TARGET
2.X.4.3.1.1	G	*	F	*	AT	C-	--	**	**	X	CIRCULAR TARGET
2.X.4.3.1.2	G	*	F	*	AT	R-	--	**	**	X	RECTANGULAR TARGET
2.X.4.3.1.3	G	*	F	*	AT	G-	--	**	**	X	SERIES OR GROUP OF TARGETS
2.X.4.3.1.4	G	*	F	*	AT	S-	--	**	**	X	SMOKE
2.X.4.3.1.5	G	*	F	*	AT	B-	--	**	**	X	BOMB AREA
2.X.4.3.2	G	*	F	*	AC	--	--	**	**	X	COMMAND AND CONTROL
2.X.4.3.2.1	G	*	F	*	AC	S-	--	**	**	X	FIRE SUPPORT AREA (FSA)
2.X.4.3.2.1.1	G	*	F	*	AC	SI	--	**	**	X	FIRE SUPPORT AREA (FSA), IRREGULAR
2.X.4.3.2.1.2	G	*	F	*	AC	SR	--	**	**	X	FIRE SUPPORT AREA (FSA), RECTANGULAR
2.X.4.3.2.2	G	*	F	*	AC	A-	--	**	**	X	AIRSPACE COORDINATION AREA (ACA)
2.X.4.3.2.2.1	G	*	F	*	AC	AI	--	**	**	X	AIRSPACE COORDINATION AREA (ACA), IRREGULAR
2.X.4.3.2.2.2	G	*	F	*	AC	AR	--	**	**	X	AIRSPACE COORDINATION AREA (ACA), RECTANGULAR
2.X.4.3.2.3	G	*	F	*	AC	F-	--	**	**	X	FREE FIRE AREA (FFA)
2.X.4.3.2.3.1	G	*	F	*	AC	FI	--	**	**	X	FREE FIRE AREA (FFA), IRREGULAR
2.X.4.3.2.3.2	G	*	F	*	AC	FR	--	**	**	X	FREE FIRE AREA (FFA), RECTANGULAR
2.X.4.3.2.4	G	*	F	*	AC	N-	--	**	**	X	NO-FIRE AREA (NFA)
2.X.4.3.2.4.1	G	*	F	*	AC	NI	--	**	**	X	NO-FIRE AREA (NFA), IRREGULAR
2.X.4.3.2.4.2	G	*	F	*	AC	NR	--	**	**	X	NO-FIRE AREA (NFA), RECTANGULAR
2.X.4.3.2.5	G	*	F	*	AC	R-	--	**	**	X	RESTRICTIVE FIRE AREA (RFA)
2.X.4.3.2.5.1	G	*	F	*	AC	RI	--	**	**	X	RESTRICTIVE FIRE AREA (RFA), IRREGULAR
2.X.4.3.2.5.2	G	*	F	*	AC	RR	--	**	**	X	RESTRICTIVE FIRE AREA (RFA), RECTANGULAR
2.X.4.3.2.6	G	*	F	*	AC	P-	--	**	**	X	POSITION AREA FOR ARTILLERY (PAA)
2.X.4.3.2.6.1	G	*	F	*	AC	PI	--	**	**	X	POSITION AREA FOR ARTILLERY (PAA),

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS	FUNCTION ID			SIZE/MOBILITY	COUNTRY CODE	ORDER OF BATTLE	DESCRIPTION
											IRREGULAR
2.X.4.3.3	G	*	F	*	AZ	--	--	**	**	X	TARGET ACQUISITION ZONES
2.X.4.3.3.1	G	*	F	*	AZ	I-	--	**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE
2.X.4.3.3.1.1	G	*	F	*	AZ	II	--	**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR
2.X.4.3.3.1.2	G	*	F	*	AZ	IR	--	**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR
2.X.4.3.3.2	G	*	F	*	AZ	X-	--	**	**	X	CALL FOR FIRE ZONE (CFFZ)
2.X.4.3.3.2.1	G	*	F	*	AZ	XI	--	**	**	X	CALL FOR FIRE ZONE (CFFZ), IRREGULAR
2.X.4.3.3.2.2	G	*	F	*	AZ	XR	--	**	**	X	CALL FOR FIRE ZONE (CFFZ), RECTANGULAR
2.X.4.3.3.3	G	*	F	*	AZ	S-	--	**	**	X	SENSOR ZONE
2.X.4.3.3.3.1	G	*	F	*	AZ	SI	--	**	**	X	SENSOR ZONE, IRREGULAR
2.X.4.3.3.3.2	G	*	F	*	AZ	SR	--	**	**	X	SENSOR ZONE, RECTANGULAR
2.X.4.3.3.4	G	*	F	*	AZ	C-	--	**	**	X	CENSOR ZONE
2.X.4.3.3.4.1	G	*	F	*	AZ	CI	--	**	**	X	CENSOR ZONE, IRREGULAR
2.X.4.3.3.4.2	G	*	F	*	AZ	CR	--	**	**	X	CENSOR ZONE, RECTANGULAR
2.X.4.3.3.5	G	*	F	*	AZ	D-	--	**	**	X	DEAD SPACE AREA (DA)
2.X.4.3.3.5.1	G	*	F	*	AZ	DI	--	**	**	X	DEAD SPACE AREA (DA), IRREGULAR
2.X.4.3.3.5.2	G	*	F	*	AZ	DR	--	**	**	X	DEAD SPACE AREA (DA), RECTANGULAR
2.X.4.3.3.6	G	*	F	*	AZ	F-	--	**	**	X	CRITICAL FRIENDLY ZONE (CFZ)
2.X.4.3.3.6.1	G	*	F	*	AZ	FI	--	**	**	X	CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR
2.X.4.3.3.6.2	G	*	F	*	AZ	FR	--	**	**	X	CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR
2.X.4.3.3.7	G	*	F	*	AZ	Z-	--	**	**	X	ZONE OF RESPONSIBILITY (ZOR)
2.X.4.3.3.7.1	G	*	F	*	AZ	ZI	--	**	**	X	ZONE OF RESPONSIBILITY (ZOR), IRREGULAR
2.X.4.3.3.7.2	G	*	F	*	AZ	ZR	--	**	**	X	ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR
2.X.4.3.3.8	G	*	F	*	AZ	B-	--	**	**	X	TARGET BUILD-UP AREA (TBA)
2.X.4.3.3.8.1	G	*	F	*	AZ	BI	--	**	**	X	TARGET BUILD-UP AREA (TBA), IRREGULAR
2.X.4.3.3.8.2	G	*	F	*	AZ	BR	--	**	**	X	TARGET BUILD-UP AREA (TBA), RECTANGULAR
2.X.4.3.3.9	G	*	F	*	AZ	V-	--	**	**	X	TARGET VALUE AREA (TVAR)
2.X.4.3.3.9.1	G	*	F	*	AZ	VI	--	**	**	X	TARGET VALUE AREA (TVAR), IRREGULAR
2.X.4.3.3.9.2	G	*	F	*	AZ	VR	--	**	**	X	TARGET VALUE AREA (TVAR), RECTANGULAR
2.X.4.3.4	G	*	F	*	AX	--	--	**	**	X	WEAPON/RADAR RANGE FAN
2.X.4.3.4.1	G	*	F	*	AX	C-	--	**	**	X	WEAPON/RADAR RANGE FAN, CIRCULAR
2.X.4.3.4.2	G	*	F	*	AX	S-	--	**	**	X	WEAPON/RADAR RANGE FAN, SECTOR

Attachment A to MIL00-21B, Add New Symbol, Fire Support Area, Rectangular

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY	TACTICAL GRAPHIC
		SYM-ID	

FIRE SUPPORT
    AREAS
        COMMAND AND CONTROL
            FIRE SUPPORT AREA (FSA)
	N/A	2.X.4.3.2.1	

FIRE SUPPORT
    AREAS
        COMMAND AND CONTROL
            FIRE SUPPORT AREA (FSA)
                IRREGULAR
 	
Parameters
 	
1. Anchor points. This graphic requires at least three anchor points to define the boundary of the area. Add as many points as necessary to accurately reflect the area's size and shape.
 	
2. Size/Shape. Determined by the anchor points. The information field should be moveable within the area.
 	
3. Orientation. Not applicable.
	D	2.X.4.3.2.1.1	

		G*FPACSI--****X	
		Example	

FIRE SUPPORT
    AREAS
        COMMAND AND CONTROL
            FIRE SUPPORT AREA (FSA)
                RECTANGULAR
 	
Parameters
 	
1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle.
 	
2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle.   Shape: Rectangle. The information fields should be moveable and scaleable.
 	
3. Orientation. As determined by the anchor points.
	D	2.X.4.3.2.1.2	

		G*FPACSR--****X	
		Example	